

Storm Data and Unusual Weather Phenomena - April 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
DANE COUNTY				
MIDDLETON	04/02/07 21:00 CST		0	Heavy Rain
DEERFIELD	04/03/07 06:00 CST		0	43.1N, 89.5W ~ 43.05N, 89.07W
DODGE COUNTY				
WATERTOWN	04/02/07 21:00 CST		0	Heavy Rain
3.0 E ASHIPUN	04/03/07 06:00 CST		0	43.2N, 88.72W ~ 43.22N, 88.4605W
JEFFERSON COUNTY				
LAKE MILLS	04/02/07 21:00 CST		0	Heavy Rain
SULLIVAN	04/03/07 06:00 CST		0	43.08N, 88.9W ~ 43.02N, 88.58W
MILWAUKEE COUNTY				
BROWN DEER	04/02/07 21:00 CST		0	Heavy Rain
OAK CREEK	04/03/07 06:00 CST		0	43.17N, 87.97W ~ 42.87N, 87.87W
OZAUKEE COUNTY				
MEQUON	04/02/07 21:00 CST		0	Heavy Rain
	04/03/07 06:00 CST		0	43.22N, 87.98W
WASHINGTON COUNTY				
7.0 S HARTFORD	04/02/07 21:00 CST		0	Heavy Rain
GERMANTOWN	04/03/07 06:00 CST		0	43.2188N, 88.38W ~ 43.23N, 88.1W
WAUKESHA COUNTY				
DOUSMAN	04/02/07 21:00 CST		0	Heavy Rain
ELM GROVE	04/03/07 06:00 CST		0	43.02N, 88.47W ~ 43.05N, 88.08W
JEFFERSON COUNTY				
1.2 SW PALMYRA	04/03/07 01:00 CST		1K	Thunderstorm Wind (EG 45 kt)
	04/03/07 01:00 CST		0	42.8677N, 88.6167W
A none-severe thunderstorm wind gust to about 45 knots (52 mph) upended and destroyed a patio canopy structure and a glass table. The time is an estimate, however it did occur overnight after midnight.				
GREEN COUNTY				
MONROE	04/03/07 02:00 CST		25K	Lightning
BRODHEAD	04/03/07 04:30 CST		0	42.6N, 89.63W ~ 42.62N, 89.37W
Dozens of power outages resulted from lightning stikes from the city of Monroe to Brodhead. Either the lines and poles were hit or the transformers were hit.				
MILWAUKEE COUNTY				
BROWN DEER	04/03/07 02:00 CST		25K	Lightning
OAK CREEK	04/03/07 04:30 CST		0	43.17N, 87.97W ~ 42.87N, 87.87W
Dozens of power outages resulted from lightning stikes throughout Milwaukee County. About 1400 customers were left without electrical power.				
A series of showers and thunderstorms, some with moderate to heavy rainfall rates, left behind rainfall totals of 1.5 almost 3 inches in a band from the Madison (Dane Co.) to Milwaukee (Milwaukee Co.). This resulted in minor small stream/urban flooding in the Madison to Milwaukee corridor. Numerous roads were flooded at one time or another, but none were closed. Raw sewage was dumped into Lake Michigan after storm sewers/deep tunnel system filled up in the Milwaukee area. Specific rainfall totals include 1.84 inches at the UW-Charmany Farm on the southwest side of Madison, 1.80 inches at UW-Whitewater (Jefferson-Walworth county line), 2.48 inches in Elm Grove (Waukesha Co.), and 2.84 inches about 6 miles northwest of downtown Milwaukee. Most of the rain fell between 2100CST on April 2nd and 0600CST on April 3rd, although some minor road and stream flooding continued until about 1000CST on April 3rd. Additionally, lightning strikes were responsible for scattered power outages across south-central and southeast Wisconsin.				
FOND DU LAC (WI-Z051), SHEBOYGAN (WI-Z052), WASHINGTON (WI-Z059), OZAUKEE (WI-Z060), WAUKESHA (WI-Z065), MILWAUKEE (WI-Z066), RACINE (WI-Z071), KENOSHA (WI-Z072)				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	04/04/07 03:00 CST		40K	Strong Wind (MAX 45 kt)
	04/04/07 12:00 CST		0	

Strong northwest winds gusting to 45 knots (52 mph) raked the southeast Wisconsin counties near Lake Michigan mostly during the morning hours, as a deep low pressure moved east from Lake Huron. There were numerous reports of broken small tree branches, and overturned garbage cans and patio furniture. Scattered power outages occurred as broken branches impacted power lines. Measured maximum wind gusts include 45 knots (52 mph) just south of Waukesha (Waukesha Co.), 44 knots (51 mph) near Fond du Lac (Fond du Lac Co.), 42 knots (48 mph) at the Racine Airport (Racine Co.), 41 knots (47 mph) at the Kenosha Airport (Kenosha Co.). Other locations had gusts to 39 knots (45 mph).

MARQUETTE (WI-Z046), GREEN LAKE (WI-Z047), FOND DU LAC (WI-Z051), SHEBOYGAN (WI-Z052), SAUK (WI-Z056), COLUMBIA (WI-Z057), DODGE (WI-Z058), OZAUCREE (WI-Z060), IOWA (WI-Z062), DANE (WI-Z063), JEFFERSON (WI-Z064), WAUKESHA (WI-Z065), MILWAUKEE (WI-Z066), LAFAYETTE (WI-Z067), GREEN (WI-Z068), ROCK (WI-Z069), WALWORTH (WI-Z070), RACINE (WI-Z071), KENOSHA (WI-Z072)

04/11/07 02:00 CST	0.19M	Winter Storm
04/11/07 17:00 CST	0	

A strong winter storm affected much of south-central and southeast Wisconsin on April 11th. Although heavy, wet snow accumulated to 3 to 8 inches, east-northeast winds gusting to around 30 to 42 knots (35 to 48 mph) created near-blizzard conditions (visibility of 1/4 to 1/2 mile for a couple hours) in open areas when convective bands of snow moved through. The maximum wind gust of 42 knots (48 mph) was measured at on the Kenosha city lakeshore. Some rain, freezing rain, and sleet were mixed in with the snow. With temperatures hovering around the freezing mark, some snowmelt occurred while it was snowing. The combination of ice accumulating on power lines, snow accumulations on trees and tree branches, and the gusty winds resulted in scattered power outages. About 10,000 customer lost electrical power in south-central Wisconsin and about 44,000 lost power in the southeastern counties. Newspaper articles indicated that there were numerous vehicle accidents due to slippery roads and poor visibilities. Many schools were closed. Milwaukee Mitchell Field (Milwaukee Co.) and Madison Truax Field (Dane Co.) both set new daily snowfall records of 7.0 and 5.3 inches, respectively. The old records were 3.2 and 3.8 inches, respectively; set back in 1997. Numerous airplane flights were delayed by up to 3 hour or more, or were cancelled at the Milwaukee and Madison airports. Other maximum county snowfall amounts, either measured or estimated, include 8 inches in southeast Marquette County, 8 inches in northcentral Columbia County, 8 inches in Hales Corner (Milwaukee Co.), 8 inches in Union Grove (Racine Co.), 8 inches in Delevan (Walworth Co.), 7 inches in Reedsburg (Sauk Co.), 7 inches in southwest Green Lake County, 7 inches in extreme northcentral Kenosha County, 7 inches in southeast Waukesha County, 6.9 inches in Mt. Horeb (Dane Co.), 6.5 inches in Clinton (Rock Co.), 6.5 inches in eastern Iowa County, 6.4 inches in Arygle (Lafayette Co.), 6.2 inches in Cedarburg (Ozaukee Co.) 6 inches in northwest Green County, 6 inches in western Dodge County, 6 inches in Jackson (Washington Co.), 6 inches in far northwest Jefferson County, and 5.5 to 6 inches in far northeast Fond du Lac County and far northwest Sheboygan Counties. On the low side, only 3 to 4 inches accumulated in a swath from Janesville to Watertown to Fond du Lac. At the start of the storm, a 17-year old boy died from the secondary effects (indirectly-related) of hypothermia/exposure near Busseyville in southwestern Jefferson County. He was found dead in a marshy location on Koshkonong Creek.

GREEN LAKE COUNTY

3.2 SE MARKESAN	04/22/07 20:00 CST	30K	Thunderstorm Wind (EG 45 kt)
BERLIN	04/22/07 20:00 CST	0	43.6873N, 88.9347W ~ 43.97N, 88.93W

Microburst-like winds from a decaying band of showers blew down a pole barn southeast of Markesan and flung 2x4 windows through an adjacent building. The winds broke tree branches in the city of Berlin which then fell on power lines. Power outages were noted in Berlin.

A band of weakening showers and thunderstorms moved northeast through south-central Wisconsin. By the time this band reached Green Lake County, the thunderstorms had dissipated, there was no lightning, and even the rain showers had weakened. However, scattered wind damage occurred from 3.2 miles southeast of Markesan to Berlin due to evaporative cooling of the rain below cloud bases. A dry airmass below cloud bases enhanced the evaporative cooling.

ROCK COUNTY

5.0 W ORFORDVILLE	04/29/07 20:30 CST	0	Hail (1.00 in)
	04/29/07 20:30 CST	0	42.63N, 89.3482W

Scattered thunderstorms accompanied a cold front that pushed south through southern Wisconsin during the evening hours. Afternoon maximum temperatures were in the lower to mid 80s. One storm managed to pulse briefly to severe limits.

DANE COUNTY

MARSHALL	04/30/07 09:17 CST	5K	Hail (0.75 in)
	04/30/07 09:21 CST	0	43.17N, 89.05W

Hail shower lasted about 4 minutes, and resulted in slight damage (dents) to several vehicles.

DODGE COUNTY

0.5 WNW WATERTOWN	04/30/07 09:55 CST	0	Hail (0.88 in)
	04/30/07 09:55 CST	0	43.2028N, 88.7292W

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JEFFERSON COUNTY				
WATERTOWN	04/30/07 09:55 CST		0	Hail (0.75 in)
	04/30/07 09:55 CST		0	43.2N, 88.72W
MARQUETTE COUNTY				
6.0 SW ENDEAVOR	04/30/07 18:05 CST		0	Hail (0.75 in)
	04/30/07 18:05 CST		0	43.6387N, 89.5548W
COLUMBIA COUNTY				
3.0 E CAMBRIA	04/30/07 18:39 CST		0	Hail (0.75 in)
	04/30/07 18:39 CST		0	43.55N, 89.0402W
DODGE COUNTY				
1.0 SE BEAVER DAM MINNESOTA JCT	04/30/07 18:47 CST		0	Hail (0.75 in)
	04/30/07 19:00 CST		0	43.4598N, 88.8159W ~ 43.45N, 88.67W
SAUK COUNTY				
5.0 E BARABOO	04/30/07 19:00 CST		0	Hail (0.75 in)
	04/30/07 19:00 CST		0	43.47N, 89.6304W
DODGE COUNTY				
5.0 SE THERESA	04/30/07 19:08 CST		0	Hail (0.75 in)
	04/30/07 19:08 CST		0	43.4689N, 88.3795W
RACINE COUNTY				
RACINE	04/30/07 21:00 CST		3K	Lightning
	04/30/07 21:00 CST		0	42.72N, 87.8W

Lightning struke a pole-jumper, resulting in a power outage that affected 2000 customers in the city.

Scattered, short lines of thunderstorms produced scattered reports of large hail across south-central and southeast Wisconsin. On the weather map a surface front extended from northern Iowa through central Illinois. Mid-level, warm-air advection above a dry, cool, east to northeast surface flow fueled the thunderstorms.